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# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PCT 21069	FOR FURTHER ACT	ION See Notification Preliminary E	on of Transmittal of International xamination Report (Form PCT/IPEA/416)	
International application No.	International filing date (da	ty/month/year)	Priority date (day/month/year)	
PCT/US03/09274	27 March 2003 (27.03.200	3)	29 March 2002 (29.03.2002)	
International Patent Classification (IPC)				
IPC(7): C12Q 1/70; C12N 7/00; A61K 3	31/395 and US Cl.: 435/5, 2	35.1; 424/233.1		
Applicant				
MERCK & CO., INC.				
This international prelimin     Examining Authority and	nary examination report hat is transmitted to the application	as been prepared by cant according to Ar	this International Preliminary rticle 36.	
2. This REPORT consists of	a total of sheets, inch	uding this cover-she	et.	
which have been ame	ended and are the basis for	r this report and/or	description, claims and/or drawings sheets containing rectifications made inistrative Instructions under the PCT).	
These annexes consist of a total of sheets.				
3. This report contains indications relating to the following items:				
I Basis of the report				
II Priority				
III Non-establishm	III Non-establishment of report with regard to novelty, inventive step and industrial applicability			
IV Lack of unity o	IV Lack of unity of invention			
V Reasoned states	V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
VI Certain documents cited				
	cts in the international application ervations on the international application			
VIII Z Certain observa	dons on the meanitable	ирричино-		
Date of submission of the demand		Date of completion	of this report	
20 October 2003 (20.10.2003)		19 July 2004 (19.07.		
Name and mailing address of the IPEA/US Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450	Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450  Stacy B. Cheft Bell Howself		Bell-Harrisfor	
Facsimile No. (703) 872-9306	i		-	

Form PCT/IPEA/409 (cover sheet)(July 1998)

#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/US03/09274

I.	Basi	s of the report
1.	With	regard to the elements of the international application:*
	$\boxtimes$	the international application as originally filed.
	$\overline{\boxtimes}$	the description:
		pages 1-32 as originally filed
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
	$\bowtie$	the claims:
		pages 33-38 , as originally filed
		pages NONE , as amended (together with any statement) under Article 19 pages NONE , filed with the demand
		pages NONE , filed with the demand pages NONE , filed with the letter of
		the drawings:
		pages 1-9 , as originally filed pages NONE , filed with the demand
		pages NONE , filed with the letter of
		the sequence listing part of the description:
	Ш	pages NONE, as originally filed
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
2.	With	regard to the language, all the elements marked above were available or furnished to this Authority in the
	lang	uage in which the international application was filed, unless otherwise indicated under this item.
	Thes	se elements were available or furnished to this Authority in the following language which is:
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
	$\sqcap$	the language of publication of the international application (under Rule 48.3(b)).
	而	the language of the translation furnished for the purposes of international preliminary examination (under Rules
	II	55.2 and/or 55.3).
3.	Witl	h regard to any nucleotide and/or amino acid sequence disclosed in the international application, the
	inter	national preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority in written form.
		furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the
		international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing
	السسا	has been furnished.
4.		The amendments have resulted in the cancellation of:
		the description, pages NONE
		the claims, Nos. NONE
		the drawings, sheets/fig NONE
5.	Ш	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
thi.	s repo	cement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in ort as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.
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# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US03/09274

1. STATEMENT			
		•	
Novelty (N)	Claims	NONE	YES
•	Claims	1-46	NO
T 0: (TD)	Claima	NONE	YES
Inventive Step (IS)	Claims		NO
	Cidana	1 10	
Industrial Applicability (IA)	Claims	1-46	YES
the state of the s	Claims	NONE	NO
Zhang teaches a method for the production and puradenovirus, harvesting and lysing using a method so 12, line 49). Gas sparging can be used in Zhang's (col. 4, lines 25-28). Also taught are methods of p diafiltration. Therefore, the invention is anticipated Claims 1-46 meet the criteria set out in PCT Article can be made or used in industry.	uch as impingion method (col. 1 urification of a d by and sugge	ng jets and hollow fiber ultrafilitation 1, lines 1-11). Pluronic <sup>©</sup> F-68 (0.1%) denovirus from cell lysates, such as cl sted by the prior art.	can be used in the culture arification, concentration an

Form PCT/IPEA/409 (Box V) (July 1998)

#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

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VIII. Certain observations on the international applica	atio	applic	цa	international	n the	rvations	ohser	Certain	VIII
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The following observations on the clarity of the claims, description, and drawings or on the questions whether the claims are fully supported by the description, are made:

Claims 2-5, 8-15, 17-20 and 25-30 are objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because claims 2-5, 8-15, 17-20 and 25-30 are indefinite for the following reason(s): The use of the trademark Pluronic®F-68 renders the claims indefinite because the exact formula of a trademark such as Pluronic®F-68 may be altered at any time. The claims have been searched only with regard to the trademark name.

Form PCT/IPEA/409 (Box VIII) (July 1998)